Ali Khoramshahi

Curriculum Vitae

Personal Information

Date of Birth	*28/3/1990*
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Country of Residence	Germany
Nationality	*Iranian*

Experience

2020-now   **Chief Technology Officer**, AIRSIDERS, Berlin/Germany.

Airsiders has been stepping forward in simplifying connecting flights for passengers, by offering b2b and b2c solutions. The products at Airsiders split into three main topic of airport way-finding, baggage check thru and online travel agency with improved virtual interlining experience. the stack includes technologies such as, AWS serverless (lambda/step functions), react/redux, arrangodb, neo4j, ECS, dynamodb and postgres.

- Led the team of development.
- Bootstrapped infrastructure, build the architecture up to the point of releasing the public API in multiple product front.
- Actively participating in development of the platform.

2019-2020   **Lead Backend Developer**, VAITRADE, Berlin/Germany.

Vaitrade helps businesses boost their purchasing power with easy to get loans.
I have helped the company to move its infrastructure into a more robust and scalable solution using serverless technologies.
The tech stack consists of Node.Js (express) Lambda and API Gateway (AWS) MongoDB, terraform and Kong.

2018-2020   **Co-Founder**, STYLIFIER, Berlin/Germany.

Stylifier, an styling tool and platform to help user find the right outfit.
Alongside the business model, user experience and growth of the company I also have developed all three part of the solution, consisting from node.js (express) backend, react native mobile app (redux), react web app.
Other technologies involve in these project are: Kong (API gateway), Cloudfront, S3, Postgres, Grafana.

2017-2018   **Developer**, IAMSMART, Berlin/Germany.

iamsmart offers a B2C solution for smarthome application.
During my time at iamsmart I have worked on following tasks:

- Create the software for the gateway as the communication point between the cloud and users devices. (Custom build Linux box)
- Orchestration and fleet management of gateways and devices.
- Administration tools and monitoring services.
- Overall architecture of the environment.

2016-2017   **Node.js (backend)**, RELAYR, Berlin/Germany.

Relayr is an IoT platform to manage and connect various hardware, sensors and virtual devices to the cloud.

Stack: Amazon AWS, Jenkins, Ansible, Consul, Postgres, Cassandra, Kafka, RabbitMQ, Scala and Node.js

As a backend developer my tasks in this company included as mentioned below:

- Design and implementing new REST APIs in clouds micro-service environment
- Implement the MQTT gateway as an interface for IOT devices to connect to the cloud
- Maintaining and scale the existing services

2015-2016   **Node.js - C# Developer(back-end and front-end)**, ZETTABOX, Prague/Czech Republic.

Zettabox is a cloud storage provider in Europe, application development contains both server side and client side, the company's development structure is based on scrum. main tasks I've been working containing following:

- Introducing monitoring and administration tool to manage the systems core. Using micro-service base technologies on Express.js, rabbitMq.
- Full stack development for admin tools, including unit testing and code coverage. Using Jasmine and Istanbul
- Design and develop RabbitMQ messaging system based on AMQP protocol.
- Implementing SignalR Connection for being able to connect to server with various technologies such as WebSocket.
- Design and implement windows client features including interface(using WPF) ,logic and communication.
- Resolving the existing problems and debugging current code.

2014   **C++ Developer**, APIARY, Prague/Czech Republic.

Development the new future and expanding existing functions in Apiary Blueprint, one of the most reliable and well-known web API documentation tool. the task that has been implemented during the period of my contribution includes:

- C-interface implementation of existing function to export the parser into ruby and python.
- Implementation of late referencing inside the parser.
- Configuring and fixing Snowcrash on windows.
- Resolving the existing problems.

2010-2012   **Developer / Group Supervisor**, ISLAMIC AZAD UNIVERSITY - SOUTH TEHRAN BRANCH, Tehran/Iran.

Development and operating the rescue and quadrotor robots in SURG(StartUp Robotic Group). research and development during this time contained:

- Developing an autopilot for quadrotor using STM32-F103 arm processor.
- Designing a system to control robotic arm by human interaction captured by Kinect.
- Image feature extraction and matching.
- Developing Remote operator controller for rescue robot over wireless network.
- Designing a Dynamic topological Model Based on ANN.
- research and implementation of new algorithm for simultaneous localization and mapping problem.

2009-2010   **Offshore C++ Programmer**, PHOTOCORE GMBH, Zurich/Switzerland.

- Development and Testing of cylindrical and spherical panoramic high resolution image Viewer by using Qt, Coin3D and OpenInventor3D engine
- Developing hardware security lock with HASP flash lock.
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Education

2014–2016	**Bachelor of Science (Hons)**, *Teesside University*, Prague/Czech Republic. General Computing, First Class Honours
2009–2014	**Bachelor of Engineering**, *Tehran Azad University*, Tehran/Iran. Specialized in hardware

Languages

English	**Fluent**
German	**B1**
Persian	**Mothertongue**